



A36097-PCT-USA-A (075188.0117)  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Mene-Saffrank et al. Customer No.: 21003  
Serial No. : 10/731,642 Examiner: Not Yet Assigned  
Filed : May 17, 2004 Group Art Unit: 1632  
For : LIPOXYGENASE OVEREXPRESSION IN PLANTS AND  
REDUCTION IN PLANT SENSITIVITY TO DISEASES AND  
TO ATTACKS FROM PATHOGENIC ORGANISMS

**INFORMATION DISCLOSURE STATEMENT**

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Peter J. Shen  
Attorney Name

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52,217  
PTO Reg. No

October 18, 2004  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicants respectfully request that the  
documents listed below in reverse chronological order and on the accompanying PTO  
1449 be considered by the Examiner and made of record in the above-referenced  
application.

1. U.S. Patent No. 6,770,303 to Fritig et al., issued August 3, 2004.
2. PCT International Patent Publication No. WO 01/36464, published May 25, 2001.

3. Seo, H. S., Song, J. T., Cheong, J.-J., Lee, Y.-H., Lee, Y.-W., Hwang, I., Lee, J. S. & Choi, Y. D. (2001) Jasmonic acid carboxyl methyltransferase: A key enzyme for jasmonate-regulated plant responses, *Proc. Natl. Acad. Sci. U. S. A.* 98, 4788-4793.
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12. French Patent Publication No. FR 2,777,423, published October 22, 1999.
13. Weber, H., Chetelat, A., Caldelari, D. & Farmer, E. E. (1999) Divinyl ether fatty acid synthesis in late blight-diseased potato leaves, *Plant Cell* 11, 485-493.
14. Hornung, E., Walther, M., Kuhn, H. & Feussner, I. (1999) Conversion of cucumber linoleate 13-lipooxygenase to a 9-lipooxygenating species by site-directed mutagenesis, *Proc. Natl. Acad. Sci. U. S. A.* 96, 4192-4197.
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22. Grechkin, A. (1998) Recent developments in biochemistry of the plant lipoxygenase pathway, *Prog. Lipid Res.* 37, 317-352.
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26. PCT International Patent Publication No. WO 97/26364, published July 24, 1997.

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33. Howe, G. A., Lightner, J., Browse, J. & Ryan, C. A. (1996) An octadecanoid pathway mutant (JL5) of tomato is compromised in signaling for defense against insect attack, *Plant Cell* 8, 2067-2077.
34. Schweizer, P., Felix, G., Buchala, A., Muller, C. & Metraux, J. P. (1996) Perception of free cutin monomers by *Plant Cells*, *Plant J.* 10, 331-341.
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Also enclosed is U.S. Patent No. 6,770,303, which is related to foreign language reference, French Patent No. FR 2,777,423.

The submission of this Information Disclosure Statement does not represent that a search has been made or that no better art exists, and does not constitute an admission that any of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits of referenced application. Therefore, applicants do not believe that any fee is due in connection with the submission of this paper. However, if any fee is due, or if any overpayment has been made, the Commissioner is authorized

to charge any such fee or credit any overpayment, to our Deposit Account No. 02-4377.

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Respectfully submitted,

BAKER BOTTS LLP

A handwritten signature in dark ink, appearing to be 'P. Shen', is written over a horizontal line.

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Atty. Docket No.  
A36097-PCT-USA-A  
(075188.0117)

Serial No.  
10/731,642

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)

Applicants  
Mene-Saffrank et al.

Filing Date  
May 17, 2004

Group Art Unit  
1632

**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	6 7 7 0 3 0 3	08/03/04	Fritig et al.	424	603	

**FOREIGN PATENT DOCUMENT**

Document No.	Date	Country	Class	SubClass	Translator Yes No
0 1 3 6 4 6 4	05/25/01	WO			
0 0 5 0 5 7 5	08/31/00	WO			
2 7 7 7 4 2 3	10/22/99	FR			
9 7 2 6 3 6 4	07/24/97	WO			
X 9 7 1 3 8 5 1	04/17/97	WO			

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

X	Seo, H. S., Song, J. T., Cheong, J.-J., Lee, Y.-H., Lee, Y.-W., Hwang, I., Lee, J. S. & Choi, Y. D. (2001) Jasmonic acid carboxyl methyltransferase: A key enzyme for jasmonate-regulated plant responses, <i>Proc. Natl. Acad. Sci. U. S. A.</i> 98, 4788-4793.
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